

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "Jeff T. Casey" <JCASEY@fac.har.sunysb.edu>
Subject: [4022] "Handicapping" QRP contest scores?
Message-ID: <1AE0145621@fac.har.sunysb.edu>

On 9/3/96, BOB KELLOGG, AE4IC, wrote:

> ...
> Your advice solicited. Yes, there will be a 40-9er contest this
> fall. Scoring will try to balance the 40-9ers capabilities with
> other QRP rigs, so everyone can participate and have a good time.
> ...

It seems most of the big contests (field day, sweepstakes, etc.) have several power categories, so that your score is only compared with those of stations whose power levels should put them within 10db or so of yours. However, a lot of the QRP contests seem to be much smaller. If the contest results are divided into power categories (e.g., 200mW, 1W, 5W), then there may be too few stations in each category to really give you an idea of how well you did.

This got me thinking about how we might come up with a "handicap" formula that would allow people running different power levels to roughly compare their scores. Something like QS0s per watt would be simple, but would penalize people running higher power -- inevitably, the contest winner would be the diehard picowatter who makes 1 contact (which might not be so bad I guess, since QRP is what this is all about! :-)

The following is probably not a new concept, but I haven't heard of it before, so thought I would throw it out for possible discussion. My proposed handicap formula is:

handicapped score = $[1 - \log(p/m)] * s$

where p = power in watts, m = max power allowed in the contest,
s = unadjusted score (total QS0s, QS0s * multipliers, or whatever).

So, your score is multiplied by 1.0 if you are running the maximum permissible power. As your power approaches 0W, your multiplier approaches infinity (how *low* can you go?). For example, if the max permissible power is 5W, an op running 5W would have a multiplier of 1.0. One watt would yield a multiplier of about 1.7, a 49er at 250 mW would get a multiplier of 2.3, and a 10 millwatter would get a multiplier of 3.7.

This formula has the advantage of reflecting the logarithmic relationship between power and signal strength, although it poses a bit of a computational burden on the op who wants to figure his/her

final score! However, the contest manager could just plug such a formula into his/her spreadsheet.

Also, you could use this formula all by yourself to adjust your score to see roughly how well your 49er or 40A did in a contest compared to the 5W "big guns" or compared to how well you did last time with a different power level.

Of course, no formula will ever make two stations perfectly comparable, and none of this should be taken too seriously. I certainly wouldn't want to see us get all wrapped up in trying to outscore each other! But I just thought it might make a small QRP contest more fun if we had a way to judge how well we're doing compared to others and compared to our past scores, especially when we run less power, and have fewer QSOs, than most of the other stations.

72/73,

Jeff

WB5GWB / Long Island, NY / ARCI ARRL QRP-L

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996

From: Mike Boice <kd0fx@worldnet.att.net>

Subject: [4023] Advice on DVMs

Message-ID: <1.5.4.32.19960911190257.006721cc@postoffice.worldnet.att.net>

Well, here's yet another chance for this group to fulfill its mission in the universe: help others. I'm considering purchasing a new DVM this fall to replace my 16 year old \$30 analog RS special (bought it while studying for my Novice). It has served me well over the years, but I really want something with better sensitivity, as well as new gadgets like capacitance and frequency metering (maybe optional - see last paragraph regarding "fluff"). The price can't go much above \$130 or so - that's just too hard for me to justify. I'm not against buying a significantly lower-priced model if I don't really need all the extra bells & whistles. Possibilities:

1. Radio Shack # 22-168. \$129.99 Freq to 20mHz, measures capacitance (no range listed), resistance to 2000 Mohm, not auto- ranging (not really a BIG deal, is it?), no true RMS, measures transistors & diodes, has possibly useful PC interface, dual display with bar graph, 10 memories, works as logic probe, data hold on screen. Runs on 1- 9V battery
2. Elenco LCM-1950 (Ocean State Electronics \$79.95). Freq to 4 mHz (in 1 Hz units), capacitance to 400 microF (in 1pF units), inductance to 40 H (in 1 microH units), resistance to 4000 Mohms, no true RMS, logic level, measures transistors & diodes, no data hold on screen, no bargraph. Runs on

1 - 9V battery.

3. RS #22-181 \$79.99 No frequency, no auto-ranging, true RMS, capacitance, transistor gain, holds data on screen, resistance to 40 Mohms, bargraph. Runs on 3 AA batteries.

4. RS #22-174 \$89.99 Freq to 2mHz, auto-ranging, true RMS, temperature, capacitance, transistor gain, bargraph, resistance to 19.9 Mohms. Runs on 6 AA batteries.

All have LCD displays around 3.5 to 3.75 inches tall. These are just the ones I've come across in my catalogs. I'm sure there are literally dozens more - suggestions are gladly welcomed, along with comments on what features are worthwhile and what are essentially fluff for the typical kit building & around the house & car work.

One last question: are these new DVMs capable of replacing VTVMs for high impedance sensitivity? RS says their DVMs have 10 Mohm input impedance.

Mucho thanks,

73,
mike KD0FX
Richland WA QRP-L #576

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Mike Boice <kd0fx@worldnet.att.net>
Subject: [4030] Advice on DVMs clarification
Message-ID: <1.5.4.32.19960911201502.0067aaec@postoffice.worldnet.att.net>

I had a bit of a typo in my earlier post, tho it's not really a big deal:

>All have LCD displays around 3.5 to 3.75 inches tall.

Make that 1" tall displays, with 3.5 to 3.75 display digits.

Oops!

73,
mike KD0FX
Richland WA QRP-L #576

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "Brian K. Short" <ke7gh@primenet.com>
Subject: [4042] Auttek RF-1 \$75 Quick!
Message-ID: <01BBA03B.94B316E0@ip003.phx.primenet.com>

I'll sell mine for \$75+s/h!
ke7gh@primenet.com (602)839-3484
Better be quick!

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "Brian K. Short" <ke7gh@primenet.com>
Subject: [4047] Auttek RF-1 Sold!
Message-ID: <01BBA044.8973AB60@ip003.phx.primenet.com>

The RF-1 was sold in 7 min 2 sec. I'll take
a backup list, but have been promised a check
by mail. Thanks For Your Support!

Clubs: ARRL (in no particular order of importance)

ke7gh@primenet.com

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
Subject: [4010] Bencher BY-2/lil bugger for trade
Message-ID: <9609111727.AA28593@wizard.ucs.sfu.ca>

Hi Everyone,

I have a Bencher BY-2 (black base) with the velcro attached lil bugger
keyer for trade. Given the exchange rate, duty etc. I would prefer to
trade rather than sell. I am looking for (in order of preference) a Kent
straight key, NN1G kit, or super cmosIII kit. The paddles/keyer are in
excellent shape, the only reason I am thinking of getting rid of them is
that next to my WBL, Kent, G4ZPY, and BY-1 paddles, I don't think
they will get used, and I'm not really a collector.

Any interest?

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: wylde@nccn.net (Grover Cleveland WT6P)
Subject: [4049] Can't take much more of this.
Message-ID: <v02130501ae5d111e85dc@[205.139.74.196]>

Seen far too often:

>I have to sel some radio's
 ^ ^ ^ ^ ^ ^ ^

(No, the plural of "radio" is "radios".)

>I can't! If I have to pay tax's,
 ^ ^ ^ ^ ^

(No, the plural of "tax" is "taxes".)

> For sell, beautiful Yeasu . .
 ^ ^ ^ ^ ^ ^ ^

(Good grief! Just look at the front of the radio - it's a "Yaesu".)

So this is what a public school education has come to.
A minor tragedy I think; not a tragedy that will cause
the world to stop rotating, but one that points out many of the
"technologically enhanced" to be boors and buffoons.

Grammatically yours,

WT6P

- - -
P. Grover Cleveland WT6P / QRPARCI 3795 / ARS 101 / Norcal 216
Sr. Engineer - Tektronix/Grass Valley
Archaeominiferroequinologist
Fairmont Speeder Pilot
Certified Steam Locomotive Driver
Certifiably Loony

Can also be found at: cleveland@usa.net
 grover.cleveland@tek.com

71213.2741@compuserve.com

<http://ourworld.compuserve.com/homepages/gcleveland/me.htm>

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: CLATON.CADMUS@hamlink.mn.org (CLATON CADMUS)
Subject: [3999] CENTER FED ZEPP???
Message-ID: <842432424.AA07249@hamlink.mn.org>

Hello Bill you wrote:

K5>I have seen several references to center fed Zepp antennas here and
>other places. Can someone tell me or draw me a picture of one. The Zepp
>antenna I know of is an end fed long wire, originally designed to trail
>behind the Zeppelin airships. How do you center feed one of those??
>The people who have these center fed Zepps seem to like them so, I
>would like to try one myself.

The Zepp antenna has been blurred over time. You are right, the Zepp comes from the antenna designed to trail behind a Zeppelin, hang would be more like it. It's a quarter wave of open wire transmission line with a half wave wire antenna connected to only one of the open wire ends. If you stand the entire combination up you have a J-pole. The center-fed Zepp is really called a "Double Zepp". In the traditional home installation the open wire section was vertical and the halfwave was horizontal. In this configuration another half wave section could be added in the opposite direction enhancing the broadside gain, hence the Double Zepp. Gain was further enhanced by making each antenna leg 5/8 wave, enter the "Double Extended Zepp". This antenna works wonders in the vertical off the side of a tower on VHF and up!

73 de Claton Cadmus, KA0GKC

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-----  
| FIDOnet= Claton Cadmus 1:282/100 |  
| INTERNet= Claton.Cadmus@hamlink.mn.org |  
| PACKETnet= KA0GKC@WB0GDB.#STP.MN.USA.NA |  
-----
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If anything I have written makes any cents, I claim copyright!
* SLMR 2.1a * Remember, you are unique, just like everyone else!

---NoSnail v1.17

HAM>link< RBBS - Serving the Amateur Radio Community Since 1983

- 612/HAM-0000 v.34 Ham Radio Spoken Here!!
- 612/HAM-1010 v.32b Reply to sender @ hamlink.mn.org

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Philip Karras <ke3fl@access.digex.net>
Subject: [4016] Comments & statistics (\$\$\$\$\$\$, Mr. Gomez, et el)
Message-ID: <Pine.SUN.3.94.960911140647.28994F-100000@access1.digex.net>

So, now that you've all send e-mail to this guy, he has your
e-mail addresses, not just the QRP-L group address. Is this wise?

* SLMR 2.1a * First rule of intelligent tinkering: Save all the parts.

Aaaa, so that explains all the parts I still have from everything I've
ever taken appart, I'll have to tell my XYL that one. :-)

Some statistics on QRP.479:
Total messages: 76
8 about \$\$\$\$\$\$
6 about Mr. Gomez
7 on 666
3 about back-spamming (concerning Mr. Gomez)

so that makes a total of 24 meassges on something to do with Mr.
Gomez or almost 32%! For a guy who isn't even a member he has
managed to take up abt 32% or our news group! I for one would rather
read about QRP stuff.

1 about hurricane Fran, very welcome news, Thanks!

72 & 73 de KE3FL/Phil
EC Carroll County MD
:-)

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Stew Whitehouse <76443.501@CompuServe.COM>
Subject: [3995] Forty-9er
Message-ID: <960911143009_76443.501_GHN79-1@CompuServe.COM>

Hi folks,
Just completed the Forty-9er board and ready to fit it to an altoids tin. There seems to be room to fit both the board and a 9V battery but where do you put the connectors for the input/output?(and still be able to get the board in and out) Without the battery there is plenty of room for board and connectors. So I ask those who have gone before...Do you put the battery in the box?

BTW I planned to use RCA phono jacks for antenna and keying line and an 1/8" stereo jack for audio. Also going to use the audio jack to control power on/off. (another neat idea from the QRP-L).

Thanks for the space,
Stew KE4YH ARRL, QRP-ARCI# 9236, NWQRP# 433, QRP-L# 590, NCVA, FRUPAC
Dunedin, Fl.

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: rright@primenet.com (Roger Hightower)
Subject: [4029] FS: Autek RF-1
Message-ID: <199609112011.NAA18014@primenet.com>

I have an Autek RF-1 RF analyser for sale. Excellent condition, will sell for \$75.00 including shipping. If interested, pse reply direct.

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [3991] FS: MFJ 20m CW xcvr w/filter & keyer

Message-ID: <Pine.3.89.9609110803.B26798-0100000@w3eax.umd.edu>

Excellent condition MFJ 9020 with curtis keyer and CW filter.

\$240 new (incl. options), asking \$160. Manuals included.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996

From: "Paul R. Valko" <prvalko@oakland.edu>

Subject: [3994] GATE 2 Thoughts and comments

Message-ID: <Pine.OSF.3.91.960911100734.18349A-100000@saturn.acs.oakland.edu>

I am curious regarding what plans everyone, and I *DO* mean everyone, has to get their 610 delivered to Melon Bank at 9:00 am Monday morning?

So far, there are several people driving to Pittsburg to hand deliver them. They also offer to do this "service" for a fee, I don't trust a non-commercial/bonded carrier to do this critical job.

Other opportunities include FedEx 2 day delivery, and USPS Express (Snail) Mail. I won't give out my secret weapon until I get my new call :-)

Any QRP-L folk in the Pittsburg area? I'd TRUST one of you guys!

Also, anyone else (hint hint) applying for a really off-the-wall calsign? Everyone wants a 1x2, but other choices are "true" "Vanity" calls, like:

WH00PS WB00ZE WH1LE WM1CH (W-MICH) K000L AB0AT

etc etc etc.

Other thoughts:

I'm still seething because the FCC did not make a GATE 1.5 for extras licenced over 20 years, a gate 1.8 for extras licenced over 10 years, etc.

It's pretty obvious that the bone-heads in the FCC were clueless when pricing Vanity calls. I have always maintained that the Feds could EASILY charge \$1,000 for a Vanity call. I'm sure there would have been

few objections to the original \$70 price tag.

I really only know a few EXTRAS that ARE NOT applying for a new call. The exceptions (of course) are REALLY old-timers with 1x3 calls and those with existing 2x1 and 1x2 calls.

73! =paul= wb8zjl

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [3989] GATE 2 - SURVEY KEEP 'EM COMING!
Message-ID: <9608118424.AA842453947@smtpgw.ccgate.dl.nec.com>

Gang:

Thanks to the many responses to the unscientific Gate 2 survey in progress. Keep them coming. I'll tally all the responses and post to the group on Friday.

On thing several people are not aware of. You CAN apply for a call in any of the 0-9 call region of the U.S. The bulletin announcing the GATE 2 opening was a bit fuzzy on this, so I called the FCC directly TWICE and asked them to clarify this. Both times they told me that if I'm in call area 5, I may apply for a 7 land call (or any in 0-9 for that matter). This was also re-explained in HAM RADIO ON-LINE magazine because of the confusion it created.

I realize this is a controversial and touchy subject for many hams. It will make it more difficult than ever to sort of identify one's operating area by the call.

Thanks again for all the responses. They are interesting.

73 de Dave AC5GY

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: lhalliday@creo.bc.ca
Subject: [4005] Huff and Puff
Message-ID: <9608118424.AA842460620@mail.creo.bc.ca>

There has been discussion of PA0KSB's updated Huff and Puff VFO in Radio Communication (in G3VA's Technical Topics column) lately, and I'm going to tack one together this weekend to see how it works. Has anybody else on the list done so? The old version or the new version? How well did it work? I have some CMOS computer clock oscillators that may prove useful in this connection - on frequencies like 40 MHz. My junkbox is bursting with TTL, but I may break down and (gasp!) buy a couple of 74HC chips. :-)

A chuckle that has nothing to do with making money: the other night I was considering the resistors to make an LM317 produce 6 volts (until I remembered those 78L06s I had stashed away in my junkbox). The output voltage is set by the ratio of two resistors (details in all the usual references), and for 6 volts out, they need to be in the ratio of 3.8 to 1. So I reached for my trusty slide rule, set it to multiply by 3.8, and slid the cursor along, looking for preferred values. In seconds I found that 470 ohms and 1.8k would do the trick. So much for modern technology, huh?

Laura Halliday VE7LDH	"C'est une femme mutine, assez
lhalliday@creo.bc.ca	elegante, grave et legere, ayant le
ve7ldh@amsat.org	sens du confort et du plaisir
Locator: CN89mg	en tout." - C. Deneuve

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Doug Hendricks <ki6ds@dpo1.k12.ca.us>
Subject: [4035] Larry East's 49er Article in QQ
Message-ID: <1.5.4.16.19960911140322.246f850c@telis.org>

Guys, I just had email from Larry East, W1HUE/7 of this list. We were discussing another subject. But, I did take the time to do something that I have been wanting to do and haven't, tell him thank you for the great article he wrote in QRP Quarterly about mods to the 49er. His reply was startling. I am the first one to give him any feedback whatsoever on his article.

Hey, guys, that was an outstanding technical article, it took Larry and others many, many hours to produce, and NO ONE SAYS THANKYOU!!! If you want

more technical material in the journals, please take the time to let the authors know that you appreciate their efforts. Unless the article is in QST, 73, CQ, or World Radio, no one is getting paid for their work. It is done free gratis for the benefit of the hobby.

Now that we all have email, and Larry is on this list, take a minute to show your appreciation when one of our members does something that you enjoy. Random acts of kindness have ways of coming back at you many, many ways. I too, am guilty, but I did get started on doing the right thing. Thank you Larry, for all of the 49er builders and experimenters, you have performed a very valuable service. 72, Doug, KI6DS

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: john andrews <jm165723@eee.org>
Subject: [4052] Lumped inductance in air-core coils
Message-ID: <3237896E.2BAB@eee.org>

Hi Gang:

In a previous post I mentioned marine band radios as a good salvage source.

I've torn down a few for the salvage value over the years but ran into a new twist I had'nt seen before. The marine band radio is usually multi-channel by way of crystal oscillators. Each channel must be put on frequency and the taps on the antenna loading network manually; after which a simple turn of a frequency control switch is all that is needed.

The loading coil is usually a common Air-Dux/B&W stock about 2 1/2" x 7 or 8" wound with #14 wire. A plexiglas strip is installed in the center to provide support for the coil and the standoffs.

This one was a bit different in that it had 2 3/8 x 2 1/2" inch ferrite rods epoxied to one end of the center of the coil and on the strip.

I assume this was done because the designers ran out of room and more "lumped inductance" was needed at the "low" end of the frequency limit, or an attempt to use a shorter antenna was being made.

Bottom line: Have any of you attempted to use air wound stock with some form of ferrite/iron core? The reason for my interest is I have not been very impressed with those tuners based on "Donuts". An air core coil with some ferrite/iron might be a good compromise. Yes.. I understand the reason for donuts...It saves space and is easy to make.

Thanks, John-N5INZ

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Marshall Emm <75230.1405@CompuServe.COM>
Subject: [4001] Oak Hills Research
Message-ID: <960911154511_75230.1405_HHB68-3@CompuServe.COM>

Clark Fishman was asking if OHR has a Web site-- the answer is: not yet but soon.

Meanwhile, I have a price list and descriptions on mine:
<http://ourworld.compuserve.com/homepages/mtech>

And I believe there are descriptions, reviews and images on the QRP-L site (I know I saw them somewhere!)

73
Marshall
AA0XI/VK5FN

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Clark Fishman (FSAC) <cfishman@PICA.ARMY.MIL>
Subject: [3988] OHR
Message-ID: <9609110927.aa00196@COR6.PICA.ARMY.MIL>

tnx to all for OHR info

wa2unn

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: bhopkins@polarnet.com (Bruce Hopkins - KL7JAF)
Subject: [4051] OHR Exp.II/20m & 2 KC-1's For Sale...
Message-ID: <v01540b01ae5d2c79f201@[204.119.24.91]>

Hi Gang...

Time to liquidate some goodies so I can try out some new goodies... I have three items for sale...

1. OHR Explorer II for 20 meters... No mods... Works perfectly... I have been building radio kits for 40 years and take pride in my work... Here is a great homebrew rig for someone that does not wish to build or perhaps does not have the time... First \$100 takes the Rig, Power Cable, & Manual, I will pay the shipping & insurance to any U.S.A. address...

2. Wilderness Radio KC-1 Keyer/Frequency Counter... I have two, the first is assembled and tested with the speed cap mod to reduce the top speed to around 35 wpm... The second KC-1 is new and not assembled... Both are complete kits with speed pot, switches and PCB plus all pcb parts and include the original assembly manual... \$40 for either unit and I will pay shipping and insurance to any U.S.A. address...

I live in Alaska so shipping will be by insured Priority Mail... UPS shipping to and from the "Frozen Chosen" is just too dear... Both the Exp II and the KC-1 can be viewed on my web pages under the QRP pictures section... Contact me direct for additional details...

72/73/oo's - Bruce * KL7JAF

QRP-L #380 QRP-ARCI #9061 G-QRP #9181 Norcal #1543 ARS #14
ISSB #14548 TFO #359 McPig #003 AK-QRP #1

Web Page: <http://www2.polarnet.com/~bhopkins>

TMPS 1996 Qs=032 States=10 Confirmed=00 DX=12
HI CA TN WA KS AK OR NE NM MI
R1F KH6 WA6 KL7 ZL1 VE7 JR7/7 UA0 VK5 V73 VY1 5W0

"Every Man should learn to play the Flute,
but not well..."

From: rob3ert@juno.com (Robert G. Parks)
Subject: [4009] Parts Supplier
Message-ID: <19960911.101351.8798.1.rob3ert@juno.com>

I just found a good "surplus" supplier. He has variables, semiconductors, hardware, some tubes, capacitors, etc., etc. A note to him at:Star-TronicsP.O. Box 98102Las Vegas, NV 89193-8102or a phone call to: (702)795-7151will get you a copy of his latest flyer. BE SURE TO MENTION QRP-L. I told him that we're a "bunch" of builders of low-power equipment.Usual disclaimers, no connection other than being a satisfied customer.72/73 es gud dxBob ParksK6AECQRP-L #630

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "Claton Cadmus" <aplitech@spacestar.com>
Subject: [3998] Please, some sanity!
Message-ID: <199609111451.JAA17327@Spacestar.Net>

Yes the list has been spammed. But please, all the replies and comments are worse. Including one reply to this list that quoted the whole thing. Add to that all the 666 stuff, Back Spam, etc. and the list is getting quite out of hand. It's difficult to define the line of what is QRP and what is not. But clearly these messages are way over the line.

I noted today references to at least two new members of are list. What kind of impression of our group has been shown in the pass couple of days?

The most effective way to stop a spammer is to send a complaint to the postmaster of the offending system and then ignore it. Many of these spams are by those that enjoy seeing the reaction.

I would like to make two requests:

If it's not QRP related, send it in private e-mail.

If anyone wishes to comment on this message, please do it to me in private and save the list the bandwidth. My address is below, Space Shuttle tiles installed!

My apologizes for adding to the fray.

73 de Claton KA0GKC
E-mail cla@spacestar.com
ka0gkc@ka0gkc.ampr.org

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [4002] QRP
Message-ID: <199609111559.KAA05295@multi2.pic.net>

Ladies and gentlemen, could we return to QRP and radio topics please.

Thanks,

Mike K1MG

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [4027] QRP ARCI ADDRESS
Message-ID: <Pine.BSI.3.93.960911160132.19165C-100000@u1.abs.net>

Mike Bryce <73357.222@Compuserve.com>

Mike Bryce, WB8VGE
P.O. BOX 508
MASSILON, OH 44648-0508

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net
Maryland Milliwatt Club QRP Reference Library, (301)572-6789

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "John A. Evans" <jaevans@cos.cst.titan.com>
Subject: [4003] QRP-L Equipment listing
Message-ID: <199609111608.MAA100374@nss2.CC.Lehigh.EDU>

Greetings,

I have used the QRP-L web page of equipment listings and photos several times to grab specs on new and older equipment.

What I would really love to see (I can't volunteer company resources for this) would be a general ham equipment listing for older equipment that is no longer sold, but still available on the surplus and hamfest

circles. As an example, Radio Netherlands has a series of reviews of shortwave receiver equipment at <http://www.rnw.nl/en/pub/testlab/index.html>.

I don't know how many times I have wanted to see an old brochure on equipment to determine specs and particularly options available to see what it was I was considering.

Just a thought !!

72, n3qoo

John A. Evans Chief System Administrator
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email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "John H. Ferguson" <jhferg@pop.tiac.net>
Subject: [4045] QRP-L number help!
Message-ID: <199609120031.UAA20356@mailserver1.tiac.net>

Now that I have my SW-40 and keyer almost together I am becoming interested in the FOX, so I sent off for my very own qrp-1 number, to listserv@lehigh.edu, but the return msg said 'this command only for owners and subscribers' of which I thought I was the latter!

Could someone offer any advice on my error??

email jhferg@tiac.net

Thanks

John N1IPT

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Jerry Parker <jparker@fix.net>
Subject: [4037] QRPP Magazine as I see it.
Message-ID: <2.2.32.19960911225159.00bf0790@fix.net>

QRPP is truly a magazine. A magazine I value. There are many things that

make this magazine what it is.

Doug Hendricks, KI6DS gives much of himself and his time to this magazine. It has been with his guiding hand that QRPP has evolved to what it is today.

Lets not kid ourselves, it also takes dollars to make QRPP what it is.

All of us who pay for our subscription to this great magazine pay for its present and invest in its future. I know this is one of the best investments I have ever made.

Posting it on the internet would be the same as giving it away free.

I may be just as cheap as the next chap, however, I say lets don't mess with success.

It works as it is and I might say works very well (Thanks Doug) Lets not try to fix it.

I would like to thank all those who contribute to this hobby for sharing with the rest of us your efforts and knowledge.

72,,,Jerry...WA6OWR...K

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [4034] QRPP on Email?
Message-ID: <1.5.4.16.199609111134714.246f7d86@telis.org>

There have been several requests from individuals asking why don't I put QRPP on email? I will answer that with my reasoning and hope to help you understand.

First of all, the printed word is much more accessible in my estimation than computer files that are stored on disk, but have to be accessed with a computer. We currently have over 1800 subscribers to QRPP, and of that number I would guess about 300 belong to QRP-L, and probably another 200 have internet capabilities. That means that well over 1000 members don't have the ability to get QRPP via the internet. To do an electronic edition of QRPP would involve at least as much work as the present printed edition, if not more. Sure, it would not cost any money, but my time is worth something to me and my family. I do want to do other things in the hobby. I like to build, write articles, operate, experiment, go to hamfests, read, etc. All of this takes time.

Second, we hams are cheap by nature. And, I include myself in that category. It takes 1000 subscribers to be able to print QRPP in its present size and format. Why? Because that is where you get a huge price break from the printer. It is just like buying LM386's. Order 1 to 99 and the price is \$.79 each. Order 100, and the price drops to \$.39. That is what is known as a price break. If we start putting QRPP out via electronic mail, then why would you continue to subscribe? Pretty soon, the word would get out that what we were selling for \$10 per year was available for free. Why would you continue to pay?

Third, we have many, many members who share the issues with their friends, copying articles, loaning the issue, etc. Heck, I have even heard of a couple of small clubs where one member subscribes and they all pass around the issue. All of this is fine, but very hard to do with electronic editions. I think that it is great that QRPP is shared and enjoyed. We have gotten many, many subscribers who write us and say, hey I saw a copy of your journal and I want to be a subscriber too.

Many of our authors use the fact that they have been published in a Journal on their resumes. I even know of a couple who have used it to actually land a job. They were told by their bosses that the deciding factor was that they had taken the initiative to publish, and their competition hadn't. It is hard to show someone a copy of your work if it is not in print. I don't know why, but when people can hold and see something, it seems to mean more than looking at it on a computer screen.

To summarize, QRPP will be a printed-on-paper vehicle. We will not put it on email. Selected articles may appear on the NorCal Web Page, or other web pages, but ONLY after the article has been published in QRPP first. We want everyone to contribute, we don't want freeloaders. When you pay your subscription fee, you are contributing. It is as simple as that. Other clubs and journal editors have chosen to publish on the internet. I applaud their efforts and wish them luck, and if I can be of help, I certainly will and have. But, it goes back to the NorCal Philosophy, "He who does the work, calls the shots." Simple rule, works well.

72, Doug, KI6DS

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: rhight@primenet.com (Roger Hightower)
Subject: [4038] RF-1 is sold
Message-ID: <199609112324.QAA10613@primenet.com>

Thanks for the many responses. The RF-1 was sold in 20 minutes.

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: wdzeares@rockdal.aud.alcatel.com (W. Dennis Zeares)
Subject: [4012] Stop the grabage, NOW!!!
Message-ID: <9609111800.AA04581@aud.alcatel.com>

This is a list for QRP related items.
Stop the garbage and the responses to the garbage.
The last weeks worth of post reflects a very high
percentage that is not worthy of the bandwidth.

These comments are stritly my own.

72/73 Dennis K3ETS, Dallas, Home of K5FO

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Philip Karras <ke3fl@access.digex.net>
Subject: [4017] Super Tee Antenna Tuner vs Autek
Message-ID: <Pine.SUN.3.94.960911140944.28994I-100000@access1.digex.net>

Gary, first you probably wont be able to see any difference between the settings as far as signal reports are concerned. This may be counter to everything else you've been told or have been thinking, but it's true none-the-less. The simple fact is that if you're not losing substantial power in the tuner or in the feed line, eventually all your power will get out. (Ref. "Reflections" by Maxwell)

That's the bottom line. If you'd like more info to help understand this point & don't have a copy of "reflections" I'll be glad to look up one of the antenna articles I've posted here & send it to you directly.

Now, as to which is right, the Autek or the HB tuner. Neither, and both. :)

First you didn't tell us what the difference between them was, BUT I do know this much, ALL of the SWR analyzers fall down when they are reading below 1:1.2 SWR, weither they tell you so or not. They are using extremely low power. (My MFJ uses about 5 mW, still QRPP range! I know of one persone who, while tuning up a 2-meter J-pole, ended up triggering and timing out a local repeater for 10 to 15 min, so still keep that tuning to a minimum.)

So, the Autek is probably not accurate below about 1:1.2. Was your error within that range? If so, trust the HB unit since it's dealing with a higher power level.

You might use a dummy load to check both instruments. Consider using the tuner and dummy load and de-tune the system and see what the Autek tells you. I'm convinced that the MFJ does a good job down to the 1.2 range, but when I put 5 watts (or more at times) I could re-tune to get it better, and some times I do. But, it's NOT to get more power out, only to see if I can stop that second needle from moving :)

72 & 73 de KE3FL/Phil
:-)

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "Brian K. Short" <ke7gh@primenet.com>
Subject: [4048] Trade Mac+ for QRP Rig
Message-ID: <01BBA044.A4DA2280@ip003.phx.primenet.com>

Trade Mac+ w/4Mb, mouse, keyboard for QRP rig (or other).
ke7gh@primenet.com

Clubs: ARRL (in no particular order of importance)

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: k5rov@juno.com (JAMES PARSONS)
Subject: [4041] WANTED: TEN-TEC SCOUT MODULES
Message-ID: <19960911.172526.4623.0.k5rov@juno.com>

I am looking for two modules for the TEN-TEC Scout. I need the 30 meter and the 20 meter modules. No, I'm not cheap, and I know they are inexpensive, but I am retired, and a penny saved is a penny towards a new QRP rig. 73 de Jim, K5ROV.

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Mike Robinson <miker@cc.com>
Subject: [4008] Why a 1x2 or 2x1?
Message-ID: <9609111707.AA19211@voder.nsc.com>

>
> Can someone please explain to me what the big deal is with these
> callsigns? I could understand getting your old one back, but
> N9UKX (forever)
> john
>
>

Let me give this a shot.

As I was studying for my Tech+ in early '93, I noticed the difference between Novice calls and Extra calls. I didn't know about the depletion of 1x2's and 2x1's. But the difference in the calls was clearly an indication of, not only prestige, but reward for effort and dedication. And I appreciated that more work and study payed off with more bandplan priveledges and a more convenient callsign that also advertised the effort put forth. It's an important and effective program.

At that moment I decided that I was going to earn my 1x2. Not only because it was a reward to be had. But it was the elite of rewards. Along the way, through General and Advanced, I learned that the short calls were gone. By that time I was so well ensconced in the hobby that the unavailability of the short calls was only a minor perturbation.

Now the reward is again available.

Since my main thrusts in the hobby are VHF/UHF voice and HF CW, The criteria for my new call are:

It must roll off the tongue well.

It must roll off CW well.

In response to your justification request: I do operate. I use the frequencies. I support my club and repeater. I'm available for emergency operations. I build. I teach. I contribute.

I want a 1x2 and I've earned it.

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=====
7.3 de Michael AA0UB      miker@cc.com      michael@frii.com
      http://www.frii.com/~michael
      QRP-L #126      Norcal #857      CQC #180
=====
```

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Ken Freedman <n1qqvken@iconn.net>
Subject: [4050] [Fwd: Re: Advice on DVMs]
Message-ID: <323777E3.8A1@iconn.net>

This is a multi-part message in MIME format.

-----339168DC813
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike and the Gang,

I carry a DVM most of each working day, troubleshooting electronic and electrical systems in a large printshop. For light work, a good Beckman can't be beaten for overall usability and a refresh rate that won't make your eyes cross with flashing numbers. On the other hand, if you get it across 480 volts while on the Ohms scale, it won't survive. Hard won, (ie expensive) experience talking here!

The better Flukes are hell-for-tough. They Will survive the mistake mentioned above (Yes, I've managed to do it more than once...) and with the hard rubber case option they will survive a 10 foot drop. (Don't ask...) The refresh rate isn't as good as the Beckman and the autorange functions are a bit slower to stabilize. If you forget to turn it off, it eventually turns itself off.

This grade of meter usually goes for around \$145 and runs forever on a 9 volt batt. Although it sounds a bit dramatic, if you work with high voltages, there will be times when your life depends on your test gear. ALWAYS check your test leads on the Ohms scale before using them to verify that a high voltage circuit is dead, and replace test leads at

the first sign of wear. I use the Beckman in the lab and carry the Fluke on the shop floor.

73, Ken

-----339168DC813

Content-Type: message/rfc822

Content-Transfer-Encoding: 7bit

Content-Disposition: inline

X-Mozilla-Status: 0001

Message-ID: <323748AE.272B@iconn.net>

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996

From: Bob Hightower <ki7mn@dancris.com>

Subject: [4000] Re: \$\$\$\$\$\$ Click for Money \$\$\$\$\$\$

Message-ID: <199609111538.IAA22813@dancris.com>

At 10:50 PM 9/10/96 -0400, you wrote:

>Keep this CRAP out of my MAILBOX!!!!!!!!!!

>

>

>At 10:58 AM 9/9/96 -0500, Raul Gomez wrote:

>>This works, I did it and have already received \$682.00 in the past

Thanks for quoting the entire message to the entire list, Kevin. Just what we are trying to avoid.

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-l 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996

From: david jardine <djardine@direct.ca>

Subject: [4044] Re: \$\$\$\$\$\$ Click for Money \$\$\$\$\$\$

Message-ID: <96Sep11.172037-0700pdt.30053-2850+33@orb.direct.ca>

I don't send the crap

i can appreciated your view it's getting to be a pain in the butt, it seems the net is for huksters

We do not use these methods.

there are people using mail robots and selling them.

I had a threat on one if i flamed they would plug things up.

not a good way to sell a product
if you recieve any more crap let me know.
it has to be stopped

Thanks Dave

At 10:50 PM 9/10/96 -0400, Kevin wrote:

>Keep this CRAP out of my MAILBOX!!!!!!!!!!

>

>

>

>

>

>At 10:58 AM 9/9/96 -0500, Raul Gomez wrote:

>>This works, I did it and have already received \$682.00 in the past

>>

>>week.

>>

>>*****

>>

>>*****

>>

>>Hello! I've got some awesome news that I think you need to take two

>>

>>minutes to read if you have ever thought "How could I make some

>>

>>serious cash in a hurry???" , or been in serious debt, ready to do

>>

>>almost anything to get the money needed to pay off those bill

>>

>>collectors. So grab a snack, a warm cup of coffee, or a glass of

>>

>>your

>>

>>favorite beverage, get comfortable and listen to this interesting,

>>

>>exciting find!

>>

>> Let me start by saying that I FINALLY FOUND IT! That's right!. I

>>

>>found it! And I HATE GET RICH QUICK SCHEMES!! I hate those schemes

>>

>>like multi-level marketing, mail-order schemes, envelope stuffing

>>

>>scams, 900 number scams... the list goes on forever. I have tried

>>

>>every darn get rich quick scheme out there over the past 12 years.

>>

>>I

>>

>>somehow got on mailing lists for people looking to make money (more
>>
>>like 'desperate stupid people who will try anything for money!').
>>
>>Well, when I was a teenager, these claims to 'get me rich quick'
>>
>>sounded irresistible! I would shell out \$14.95 here, \$29.95 there,
>>
>>\$24.95 here, and another \$49.95 there. I had maxed out my new
>>
>>Circuit
>>
>>City Card AND my Visa...I was desperate for money!! So, I gave
>>
>>them
>>
>>all a chance but failed at every one of them! Maybe they worked for
>>
>>some people, but not for me. Eventually, I just tossed that JUNK
>>
>>MAIL
>>
>>in the trash when I got the mail. I recognized it right away. I
>>
>>can
>>
>>smell a money scam from a mile away these days, SO I THOUGHT....
>>
>>I thought I could sniff out a scam easily. WAS I WRONG!!I
>>
>>LOVE
>>
>>THE INTERNET!!!
>>
>>
>>
>> I was scanning thru a NEWSGROUP and saw an article stating to
>>
>>GET CASH FAST!! I thought..."Here on the Internet?? Well, I'll
>>
>>just
>>
>>have to see what schemes could possibly be on the internet." The
>>
>>article described a way to MAIL A ONE DOLLAR BILL TO ONLY FIVE
>>
>>PEOPLE
>>

>>AND MAKE \$50, 0000 IN CASH WITHIN 4 WEEKS! Well, the more I
>>
>>thought
>>
>>about it, the more I became very curious. Why? Because of the way
>>
>>it
>>
>>worked AND BECAUSE IT WOULD ONLY COST ME FIVE DOLLARS (AND FIVE
>>
>>STAMPS), THAT'S ALL I EVER PAY....EVER!!
>>
>>
>>
>> Ok, so the \$50,000 in cash was maybe a tough amount to reach,
>>
>>but
>>
>>it was possible. I knew that I could at least get a return of
>>
>>\$1,000
>>
>>or so. So I did it!! As per the instructions in the article, I
>>
>>mailed
>>
>>out ('snail mail'for you e-mail fanatics) a single dollar bill to
>>
>>each
>>
>>of the five people on the list that was contained in the article.
>>
>>I
>>
>>included a small note, with the dollar, that stated "Please Add Me
>>
>>To
>>
>>Your List." I then removed the first position name of the five
>>
>>names
>>
>>listed and moved everyone up one position, and I put my name in
>>
>>position five of the list. This is how the money starts rolling
>>
>>in!
>>

>>I then took this revised article now with my name on the list and
>>
>>REPOSTED IT ON AS MANY NEWSGROUPS AND LOCAL BULLETIN BOARD
>>
>>MESSAGE AREAS THAT I KNEW. I then waited to watch the money come
>>
>>in...prepared to maybe receive about \$1000 to \$1500 in cash or
>>
>>so....
>>
>>But what a welcome surprise when those envelopes kept coming in!!!
>>
>> I
>>
>>knew what they were as soon as I saw the return addresses from
>>
>>people
>>
>>all over the world-Most from the U.S., but some from Canada and
>>Latinamerica, even
>>
>>some from Australia! I tell you, THAT WAS EXCITING!! So how much did I
>>
>>get in total return? \$1000? \$5000? Not even!!! I received a total
>>
>>of
>>
>>\$23,343!!! I couldn't believe it!!
>>
>>
>>
>> I now have a brand new black Acura Integra to speak for, due to
>>
>>this!! Now after almost 8 months, I am ready to do it again!!! So
>>
>>maybe it was possible to get \$50,000 in cash, I don't know, but IT
>>
>>COMPLETELY DEPENDS ON YOU, THE INDIVIDUAL! You must follow through
>>
>>and repost this article everywhere you can think of! The more
>>
>>postings you achieve will determine how much cash will arrive in
>>
>>your
>>
>>very own mailbox!! It's just too easy to pass up!!!
>>
>>

>>
>> Let's review the reasons why you should do this: The only cost
>>
>>factors are for the five stamps, the 5 envelopes and the 5 one
>>
>>dollar
>>
>>bills that you send out to the listed names by snail mail (US
>>
>>Postal
>>
>>Service Mail). Then just simply repost the article (WITH YOUR NAME
>>
>>ADDED) to all the newsgroups and local BBS's you can. Then sit
>>
>>back
>>
>>and, (ironically), enjoy walking (you can run if you like! :o)
>>
>>down
>>
>>your driveway to your mailbox and scoop up your rewards!! We all
>>
>>have
>>
>>five dollars to put into such an easy effortless investment with
>>
>>SPECTACULAR REALISTIC RETURNS OF \$15,000 to \$25,000 in about 3-5
>>
>>weeks! So HOLD OFF ON THOSE LOTTERY NUMBERS FOR TODAY,EAT AT HOME
>>
>>TONIGHT INSTEAD OF TAKEOUT FROM McDONALDS AND INVEST FIVE DOLLARS
>>
>>IN
>>
>>THIS AMAZING MONEY MAKING SYSTEM NOW!!! YOU CAN'T LOSE!!
>>
>>
>>
>> So how do you do it exactly, you ask? I have carefully provided
>>
>>the mostdetailed, yet straightforward instructions on how to easily
>>
>>get this underway and get your cash on its way. SO, ARE YOU READY
>>
>>TO
>>
>>MAKE SOME CASH!!!?? HERE WE GO!!!

>>
>>
>>
>>*** THE LIST OF NAMES IS AT THE END OF THIS ARTICLE. ***
>>
>>
>>
>>OK, Read this carefully. Get a printout of this information, if
>>
>>you
>>
>>like, so you can easily refer to it as often as needed.
>>
>>
>>
>>INSTRUCTIONS:
>>
>>
>>
>>1. Take a sheet of paper and write on it the following:
>>
>>"Please add my name to your list". This creates a service out of
>>
>>this
>>
>>money making system and thus making it completely legal. You are
>>
>>not
>>
>>just randomly sending a dollar to someone, you are paying one
>>
>>dollar
>>
>>for a legitimate service. Make sure you include your name and
>>
>>address. I assure you that, again, this is completely legal!
>>
>>For a
>>
>>neat little twist, also write what slot their name was in: "You
>>
>>were
>>
>>in slot 3", Just to add a little fun! This is all about having
>>
>>fun
>>
>>and making money at the same time!

>>
>>
>>
>>2. Now fold this sheet of paper around a dollar bill ,(no checks
>>
>>or
>>
>>money orders), and put them into an envelope and send it on its way
>>
>>to
>>
>>the five people listed. The folding of the paper around the bill
>>
>>will
>>
>>insure its arrival to its recipient. THIS STEP IS IMPORTANT!!
>>
>>
>>
>>3. Now listen carefully, here's where you get YOUR MONEY COMING TO
>>
>>YOUR MAILBOX. Look at the list of five people; remove the first
>>
>>name from position one and move everyone on the list up slot one on
>>
>>the list. Position 2 name will now move to the position 1 slot ,
>>
>>position 3 will now become position 2, 4 will be be 3, 5 will be 4.
>>
>>Now put your name, address, zipcode AND COUNTRY in position 5, the
>>
>>bottom position on the list.
>>
>>
>>
>>4. Now upload this updated file to as many newsgroups and local
>>
>>bulletin boards' message areas & file section as possible.
>>
>>(Experiments tell that at least should mail to 200 newsgroup to make
>>
>>this working) Give acatchy description of the file so it gets noticed!!
>>
>>Such as:
>>
>>"NEED FAST CASH?, HERE IT IS!" or "NEED CASH TO PAY OFF
>>
>>YOUR DEBTS??", etc. And the more uploads, the more money you will

>>
>>make, and of course, the more money the others on the list will
>>
>>make
>>
>>too. LET'S ALL TAKE CARE OF EACH OTHER BY BEING HONEST AND BY
>>
>>PUTTING
>>
>>FORTH 120 PERCENT INTO THIS PROFITABLE & AMAZING SYSTEM!!! You'll
>>
>>reap
>>
>>the benefits, believe me!!! Set a goal for the number of total
>>
>>uploads
>>
>>you'll post, such as 15-20 postings or more! Always have a goal in
>>
>>mind!!! If you can UUE encode the file when uploading, that will
>>
>>make
>>
>>it easier for the people to receive it and have it downloaded to
>>
>>their
>>
>>hard drive. That way they get a copy of the article right on their
>>
>>computer without hassles of viewing and then saving the article
>>
>>from
>>
>>the File menu. Don't alter the file type, leave it as an MS-DOS
>>
>>Text
>>
>>file. The best test is to be able to view this file using
>>
>>Microsoft's
>>
>>Notepad for Windows 3.x or WordPad for Windows '95. If the margins
>>
>>look right without making the screen slide left or right when at
>>
>>the
>>
>>ends of the sentences, you're in business!

>>
>>
>>
>>5. If you need help uploading, simply ask the sysop of the BBS, or
>>
>>"POST" a message on a newsgroup asking how to post a file, tell
>>
>>them
>>
>>who your Internet provider is and PEOPLE WILL ALWAYS BE GLAD TO
>>
>>HELP.
>>
>>I would try to describe how to do it but there are simply too many
>>
>>internet software packages with slightly different yet relatively
>>
>>simple ways to post or upload a file. Just ask for help or look in
>>
>>the help section for 'posting'. I do know that for GNN, you simply
>>
>>select 'POST' then enter a catchy description under the subject
>>
>>box,
>>
>>choose 'ATTACH', selecting 'UUE' and NOT 'TXT', then choose
>>
>>'Browse'
>>
>>to go look for the file. Find your text file CASH.TXT and click on
>>
>>it
>>
>>and choose 'OK'. Place a one line statement in the main body
>>
>>section
>>
>>of the message post screen. Something like "Download this to read
>>
>>how
>>
>>to get cash arriving in your mailbox with no paybacks!" or
>>
>>whatever.
>>
>>Just make sure it represents its true feasibility, NOT something
>>
>>like..."Get one million dollars flooding in your mailbox in two

>>
>>days!"
>>
>>
>>
>>You'll never get ANY responses!
>>
>>
>>
>>6. And this is the step I like. JUST SIT BACK AND ENJOY LIFE
>>
>>BECAUSE
>>
>>CASH IS ON THE WAY!! Expect to see a little money start to
>>
>>trickle in around 2 weeks, but AT ABOUT WEEKS 3 & 4, THE MONEY
>>
>>STORM
>>
>>WILL HIT YOUR MAILBOX!! All you have to do is take it out of the
>>
>>mailbox and try not to scream too loud (outside anyway) when you
>>
>>realize YOU HIT THE BIG TIME AT LAST!!
>>
>>
>>
>>7. So go PAY OFF YOUR BILLS AND DEBTS and then get that something
>>
>>special you always wanted or buy that special person in your life
>>
>>(or
>>
>>the one you want in your life) a gift they'll never forget. ENJOY
>>
>>LIFE!
>>
>>
>>
>>8. Now when you get low on this money supply, simply re-activate
>>
>>this file again; Reposting it in the old places where you
>>
>>originally
>>
>>posted and possibly some new places you now know of. Don't ever
>>
>>lose

```
>>
>>this file, always keep a copy at your reach for when you ever need
>>
>>cash. THIS IS AN INCREDIBLE TOOL THAT YOU CAN ALWAYS RE-USE TIME
>>
>>AND
>>
>>TIME AGAIN WHEN CASH IS NEEDED!
>>
>>
>>
>>9. (This step added by Charles Reiley). Hello, This is exciting,
>>
>>isn't it?! While I'm on the list, just add a note saying "Please
>>
>>include extra money tips" with your name & E-MAIL address, and I
>>
>>will
>>
>>(FOR FREE) send you some neat methods to increase the money you
>>
>>will
>>
>>receive with this plan. Why?... Why not? I'm not a selfish jerk...I
>>
>>like helping out others. E-mail just makes it a touch easier and
>>
>>cheaper, too! After I drop off the list, I can no longer offer you
>>
>>this advice, obviously, but maybe someone else who gets my tips
>>
>>will
>>
>>offer and simply replace my name on this step number 9. Good luck
>>
>>and
>>
>>give this plan your all, it will definitely pay off! Like Mike
>>
>>said,
>>
>>HAVE FUN WITH IT!!!
>>
>>
>>
>>10. (This comment added by Mike Lorincz) Hell dude, this is great,
>>
>>just
```

```
>>
>>send the money and wait like 1 week, then all of a sudden,
>>
>>B000000M!
>>
>>Mail flood full of dollar bills. Hahahah its great
>>
>>*****
>>
>>*****
>>
>>THE NAMES LIST      THE NAMES LIST      THE NAME LIST
>>
>>*****
>>
>>*      HONESTY IS WHAT MAKES THIS PROGRAM SUCCESSFUL!!!
>>
>>*
>>
>>*
>>
>>*
>>
>>*
>>
>>*  1. Shane Uhler
>>
>>*      121 S. Beltwoods Dr.
>>
>>*      DeSoto, TX 75115
>>
>>*
>>
>>*  2. Sandy Kim
>>
>>*      3047 David Ave #10
>>
>>*      Campbell, CA 95128
>>
>>*
>>
>>*  3. Andrew Zalewski
>>
>>*      80 Willamere Dr.
>>
>>*      Scarborough, Ontario M1M 1W8
>>
>>*      Canada
```

>>
>>*>>
>>
>>* 4. Wenyu Wei
>>
>>* Garden Park P.O.Box 44505
>>
>>* Vancouver, B.C. V5M 4R8
>>
>>* Canada
>>
>>
>>* 5. Raul Gomez
>>
>>* Tr. 30 # 101 -10
>>
>>* Santafe de Bogota D.C.
>>
>>* Colombia, Southamerica
>>
>>*****
>>
>>*****
>>
>>This works, I did it and have already received \$682.00 in the past
>>
>>week.
>>
>>*****
>>
>>-----
>>Submissions: ham-univ@w6yx.stanford.edu
>>Administrative requests: ham-univ-request@w6yx.stanford.edu
>>
>
>-----
>Submissions: ham-univ@w6yx.stanford.edu
>Administrative requests: ham-univ-request@w6yx.stanford.edu
>
>
David Jardine
ste 330-823 1733 H Street
Blaine WA 98230-5107
Tel:[604]9465123
BBS[804]946-5137 8-1

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: rob3ert@juno.com (Robert G. Parks)
Subject: [4039] Re: 49 er and BCI
Message-ID: <19960911.144705.7302.0.rob3ert@juno.com>

Jim,

It has taken me this long to find the articles I referred to in my earlier e-mail. The receiver was NOT by Breed as I said, but rather by John Keith, WB5DJE, and appeared in the April, 1980 issue of ham Radio. The earlier reference was in the September, 1978 Ham Radio, in "the Ham Notebook". It was written by Bozidar Pasric, YU2HL and referenced some earlier work by a Russian (then Soviet) amateur V. Polyalov, RA3AAE in the Soviet magazine RADIO. His letter is very informative about the detector, and how it works. He also mentions an article by Dick Rollema in the November, 1977 issue of Ham Radio, which I don't have.

Sure sounds like "we" should be making more use of this circuit. I tried it long ago and it works well. Don't think we'll find an I.C. like the NE602 with this detector, however!

72/73 es gud dx

Bob Parks
K6AEC
QRP-L #630

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: sholla@panasonic.atlanta.com (Holland, Steve)
Subject: [4025] RE: Advice on DVMs
Message-ID: <1996Sep11.153503.1619.48522@ntserver.panasonic.atlanta.com>

We have been buying this one and it is great. The Computer interface is a nice feature and we use it as a data logger. Great for watching the charge cycle of a battery. This allows you to watch the delta V so you do not overcharge NiMH and Nicad batteries. For general purpose use I would put it against any meter on the market. It also has nice large digits on the display so I can look at from across the lab. We also use it around high concentrations of RF and it seems to take it OK. Some meters croak in an RF field. Hope this helps. 73 de N9HXX/4

Steve N9HXX/4
QRP-L # 555

NNN00NT-T

1. Radio Shack # 22-168. \$129.99 Freq to 20mHz, measures capacitance (no range listed), resistance to 2000 Mohm, not auto- ranging (not really a BIG deal, is it?), no true RMS, measures transistors & diodes, has possibly useful PC interface, dual display with bar graph, 10 memories, works as logic probe, data hold on screen. Runs on 1- 9V battery

```
*****
Steve Holland                                MCC Panasonic
sholla@panasonic.atlanta.com                2001 Westside Drive
Phone: (770) 740-2888                       Bldg. 200, Suite 260
FAX:    (770) 740-8781                      Alpharetta, GA 30201
*****
```

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996

From: Ken Freedman <n1qqvken@iconn.net>

Subject: Re: Advice on DVMs

Mike Boice wrote:

> I'm considering purchasing a new DVM this fall to

Mike and the Gang,

I carry a DVM most of each working day, troubleshooting electronic and electrical systems in a large printshop. For light work, a good Beckman can't be beaten for overall usability and a refresh rate that won't make your eyes cross with flashing numbers. On the other hand, if you get it across 480 volts while on the Ohms scale, it won't survive. Hard won, (ie expensive) experience talking here!

The better Flukes are hell-for-tough. They Will survive the mistake mentioned above (Yes, I've managed to do it more than once...) and with the hard rubber case option they will survive a 10 foot drop. (Don't ask...) The refresh rate isn't as good as the Beckman and the autorange functions are a bit slower to stabilize. If you forget to turn it off, it eventually turns itself off.

This grade of meter usually goes for around \$145 and runs forever on a 9 volt batt. Although it sounds a bit dramatic, if you work with high voltages, there will be times when your life depends on your test gear. ALWAYS check your test leads on the Ohms scale before using them to verify that a high voltage circuit is dead, and replace test leads at

the first sign of wear. I use the Beckman in the lab and carry the Fluke on the shop floor.

73, Ken

-----339168DC813--

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Peter Chow <pchow@cisco.com>
Subject: [4018] Re: code trainer
Message-ID: <199609111818.LAA28261@waterboy.cisco.com>

After reading Dick's posting, I called MFJ and they said the model number is 418, not 416. But anyway, the manual is out of stock and won't be in for another few weeks.

72, KF6DLT

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Peter Chow <pchow@cisco.com>
Subject: [4013] Re: digest 465
Message-ID: <199609111801.LAA24410@waterboy.cisco.com>

I accidentally deleted digest #465. Can someone kindly send a copy of their archive to me? Thanks.

72, KF6DLT

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: JFD <jdougher@wt.net>
Subject: [4021] RE: Forty-9er & Batteries
Message-ID: <32372463.53B7@wt.net>

For 49-er battery placement, I also had trouble fitting them in with the connectors for ant, key, etc. So I used 2 solutions:

A. RS and others sell a miniature 12 VDC battery that is about 50% of the size of a AA cell. I'm told they are made for auto remote door openers (I drive a '79, so wouldn't know). These mini 12 volt jobs fit in the case much better than a 9 volt, since they are less than half the volume. In addition, you get a few "free" miliwatts of power due to the extra 3 volts. The battery costs about \$2.50 at RS (I could only see alkaline in my store, so not rechargeable).

B.) Other approach (currently in use) is to forget the battery in the case altogether, in favor of longer lasting external source. I used a 2.5mm mini socket for accepting the remote 12v or 9v or whatever is handy. I made a 9v battery cap/2.5mm plug combo for when I want to run off 9vdc external battery. And made a mini-12vdc battery/2.5 mm plug adapter for the small 12v bat. And made a spade-lug/wire/2.5mm plug combo for when I want to run off my shack's power supply, car battery, etc.

Regarding connector recommendations:

My final plug configuration works well for me and fits the Altoids box:

- Antenna - BNC (so I can easily adapt to my QRO antenna setup)
- Power - 2.5 mm socket for external power, as above.
- Phones- 3.5 mm socket to fit "walkman" standard
- Key - 2.5 mm socket to fit a "mini-key" made out of a 2.5 mm

plug with a hot-glued micro-switch. Overall dimensions
about

1"x.75"x.25". The micro-switch I found has a nice lever-actuator that conveys a good sharp click feel when keying. And this key setup is in keeping with the miniaturization concept of the whole setup.

The BNC was placed on one end, and the other 3 connectors are on the opposite end of the Altoids tin. Seemed to work OK.

Good luck with yours.

KB0PJE /5

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996

From: Kevin Muenzler <wb5rue@amsat.org>

Subject: [3996] RE: GATE 2 Thoughts and comments

Message-ID: <01I9CJL39694AIDSOL@ARWEN.UTHSCSA.EDU>

prvalko@oakland.edu (Paul R. Valko) wrote:

-I really only know a few EXTRAS that ARE NOT applying for a new call.

-The exceptions (of course) are REALLY old-timers with 1x3 calls and
-those with existing 2x1 and 1x2 calls.

-73! =paul= wb8zjl

Well, here's another one who isn't applying. WB5RUE
I might have applied for my novice call WN5RUE but I just
ordered QSL cards and don't want to have to re-order.
Also I have a really old Texas license plate with my call
on it. The new call plates are different and I personally
don't like them.

73, 72

Kevin, WB5RUE (and proud of it!)

"real hams don't need amplifiers or microphones"

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996

From: Bob Hirsch <bobh@p3.net>

Subject: [3997] Re: GATE 2 Thoughts and comments

Message-ID: <1.5.4.32.19960911144603.006ac6f8@p3.net>

At 10:32 9.11.96 -0400, you wrote:

>

>It's pretty obvious that the bone-heads in the FCC were clueless when
>pricing Vanity calls. I have always maintained that the Feds could
>EASILY charge \$1,000 for a Vanity call. I'm sure there would have been
>few objections to the original \$70 price tag.

Paul --

Hmmm.....Let me make sure I understand this. You're calling them names
because they didn't charge *more*? I'm sure they will accept your check for
the balance of \$970 as a donation to make up for what they could have
"easily charged"!

73 de Bob, AA30N

No Code, No HF....Know Code, Know HF!

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: ukii@megsinet.net (ukii)
Subject: [4004] RE: GATE 2 Thoughts and comments
Message-ID: <01BB9FD2.97781B00@dial107.megsinet.net>

Can someone please explain to me what the big deal is with these
callsigns? I could understand getting your old one back, but
other than that it seems like a waste of time/money/whatever.
Are there really that many vain people who NEED a 1x2 or 2x1 to
show the world they are extras? Maybe there is a cash reward for them?
Seems to me if you want to show
the world you are an extra, get on the extra portion of the band and
OPERATE! Too much wasted time...perhaps band cndx are real poor?
DRIVING to PA??? HAHAHA...no comments.....
Oh well...I better shut up before I get blasted with comments...
Best 73 and good luck getting that really cool, personal, only yours,
onetime deal, callsign...

Have a nice Day! :-)
N9UKX (forever)
john

So far, there are several people driving to Pittsburgh to hand deliver
them. They also offer to do this "service" for a fee, I don't trust a
non-commercial/bonded carrier to do this critical job.

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: rright@primenet.com (Roger Hightower)
Subject: [4011] Re: GATE 2 Thoughts and comments
Message-ID: <199609111746.KAA12265@primenet.com>

At 10:32 AM 9/11/96 -0400, Paul R. Valko wrote:

>

>So far, there are several people driving to Pittsburgh to hand deliver
>them. They also offer to do this "service" for a fee, I don't trust a
>non-commercial/bonded carrier to do this critical job.

>

Be careful here. The envelopes have to be marked correctly so they go to
the Wholesale Lockbox Shift Supervisor. There is really not much advantage
in hand delivery...they all go in the same pile.

>

>It's pretty obvious that the bone-heads in the FCC were clueless when
>pricing Vanity calls. I have always maintained that the Feds could
>EASILY charge \$1,000 for a Vanity call. I'm sure there would have been
>few objections to the original \$70 price tag.
>

The original \$70 fee was disapproved by Congress when the FCC applied for a
fee for the Vanity system. We all knew those folk were boneheads anyway, :-)

72/73 de Roger AA7QY

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [4015] Re: GATE 2 Thoughts and comments
Message-ID: <01I9CQ02VNNAIEGVI@ARWEN.UTHSCSA.EDU>

rhight@primenet.com (Roger Hightower) wrote:

-The original \$70 fee was disapproved by Congress when the FCC applied for a
-fee for the Vanity system. We all knew those folk were boneheads anyway, :-)

-72/73 de Roger AA7QY

-NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

The reasoning behind this is that congress felt that \$70 was too
expensive for the average person to afford. Just think, if someone
can't afford \$70 for a ten year license they surly can't afford
that rig or antenna to go on the air in the first place! Boneheads
for sure....

Kevin, WB5RUE

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [4019] Re: GATE 2 Thoughts and comments
Message-ID: <Roam.3.0.842466060.9438.myers@bigboy>

>
> rhight@primenet.com (Roger Hightower) wrote:
Roger AA7QY wrote:

> -The original \$70 fee was disapproved by Congress when the FCC applied for a
> -fee for the Vanity system. We all knew those folk were boneheads anyway,
> :-)
>
>
> -72/73 de Roger AA7QY
>
> -NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

And Kevin WB5RUE responded:

> The reasoning behind this is that congress felt that \$70 was too
> expensive for the average person to afford. Just think, if someone
> can't afford \$70 for a ten year license they surly can't afford
> that rig or antenna to go on the air in the first place! Boneheads
> for sure....

Hey, \$7/year for a vanity callsign? What expense is the government incurring as a result of someone having a vanity call? The application takes extra time to process, so I can see covering that cost (which, I believe, is what the \$30 is supposed to do), but I don't believe the government should be in the business of pricing services at whatever rate the market will bear. The government serves us, and we have no choice of competitive vendors for things like amateur radio licensing. The government should figure out the cost of a providing a service, and recover that.

Dana KK6JQ
Dana@Source.Net

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "Mark E. Monninger" <markem@primenet.com>
Subject: [4024] Re: GATE 2 Thoughts and comments
Message-ID: <Pine.BSI.3.95.960911121106.16416A-100000@usr10.primenet.com>

On Wed, 11 Sep 1996, Kevin Muenzler wrote:

>
> The reasoning behind this is that congress felt that \$70 was too
> expensive for the average person to afford. ...
>
I think it's due more to a law about charges for gov't services reflecting the actual costs of delivering those services. The \$70 fee was

about twice what it cost to process and issue the callsign/license.

Judging from the cost of callplates in AZ, this must apply only to Fed services.

Now, please, back to QRP topics...

73... Mark AA7TA

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996

From: jim seeber <u1002895@warwick.net>

Subject: [4026] Re: GATE 2 Thoughts and comments

Message-ID: <32373DA9.3E1C@warwick.net>

ukii wrote:

>

> Can someone please explain to me what the big deal is with these
> callsigns? I could understand getting your old one back, but
> other than that it seems like a waste of time/money/whatever.
> Are there really that many vain people who NEED a 1x2 or 2x1 to
> show the world they are extras? Maybe there is a cash reward for them?
> Seems to me if you want to show
> the world you are an extra, get on the extra portion of the band and
> OPERATE! Too much wasted time...perhaps band cndx are real poor?
> DRIVING to PA??? HAHAHA...no comments.....
> Oh well...I better shut up before I get blasted with comments...
> Best 73 and good luck getting that really cool, personal, only yours,
> onetime deal, callsign...

> Have a nice Day! :-)

> N9UKX (forever)

> john

> So far, there are several people driving to Pittsburg to hand deliver
> them. They also offer to do this "service" for a fee, I don't trust a
> non-commercial/bonded carrier to do this critical job.

Well for my two cents worth, I wanted a short 2 x 1 for cw dxing,
not to mention the extra 25 kc available. eventually I conquered
the code and test and was rewarded with kw3u (no more taking an
eternity to send wb3gnj) Also I use a variety of straight keys
and sending ur call at 25wpm in a pileup really needs a short call.
(unless of course u are a LID that sends partial calls)

I was lucky and am satisfied with mine, but if I passed extra and
got xx3xx, I wud also be on the bandwagon for an older call.

So there is one reason other than vainness to get a gate 2 call,
I imagine there might be others?

72 - 73 jim KW3U straight key country in PA.

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [4028] RE: GATE 2 Thoughts and comments
Message-ID: <01I9CUTRO26QAIEGVI@ARWEN.UTHSCSA.EDU>

On Wednesday, September 11, 1996 7:17 AM, Mark E.
Monninger[SMTP:markem@primenet.com] wrote:
>On Wed, 11 Sep 1996, Kevin Muenzler wrote:
>>
>> The reasoning behind this is that congress felt that \$70 was too
>> expensive for the average person to afford. ...
>>
>I think it's due more to a law about charges for gov't services
>reflecting the actual costs of delivering those services. The \$70 fee was
>about twice what it cost to process and issue the callsign/license.
>
>Judging from the cost of callplates in AZ, this must apply only to Fed
>services.
>
>Now, please, back to QRP topics...
>
>73... Mark AA7TA
>
Move to Texas, callplates here are only \$2 to get one and \$1 per year to keep!

Kevin,
WB5RUE -- and proud of it.

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: kimitsuka_glen <glenk@dsg.tandem.com>
Subject: [4007] Re: GATE 2 Thoughts and comments
Message-ID: <9609111705.AA02381@sid1.dsg.tandem.com>

You write:
>Can someone please explain to me what the big deal is with these
>callsigns?

John, If you had my first call sign, KD6FQJ, then anything would
 be an improvement! That first call that I received did more to
 force me to upgrade to a 2x2 call than anything... Then as I
 used CW more than any other mode, the thought of dropping one more
 letter to a 1x2 or 2x1 was a dream...

As we all know, some letters of the alphabet have advantages in CW. Others are easier understood and "unique" enough in SSB/FM to not get confused with another. (ever confuse "W", "Y" on a rpt'r vs "m", "n"?) Some letters have great sounding phonetics, just try the suffix of my Tech call sign above for a tongue twisting worse case!

Again some call signs make it easier to attach to a owner. It's just a nice memory enhancer.

Regards, Glen KM6WR

BTW, the CW old timers in my VE group say that a callsign with a letter ending with a dash is preferred....Any comments?

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "Paul R. Valko" <prvalko@oakland.edu>
Subject: [4020] Re: GATE 2 Thoughts and comments
Message-ID: <Pine.OSF.3.91.9609111143248.20860A-1000000@saturn.acs.oakland.edu>

On Wed, 11 Sep 1996, Bob Hirsch wrote:

> At 10:32 9.11.96 -0400, you wrote:
> Hmmm....Let me make sure I understand this. You're calling them names
> because they didn't charge *more*? I'm sure they will accept your check for
> the balance of \$970 as a donation to make up for what they could have
> "easily charged"!

I call them names because for an agency that constantly complains about budget restraints, they missed a golden opportunity to add some needed funds to their budget. Had they been able to ACCEPT the money without sending it into the OMB for re-allocation to other federal agencies, though!

And if you think the guys in those Alpha adds grinning in front of their many-thousands of dollar ham radio stations would not have coughed up a grand for a cool callsign, you would be wrong. :-)

73! =paul= wb8zjl
"I got that kinda dough" - Andrew Clay

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Monte Stark <ku7y@sage.dri.edu>

Subject: [4032] Re: GATE 2 Thoughts and comments

Message-ID: <Pine.SUN.3.90.960911134642.103D-1000000@vortex.sage.dri.edu>

On Wed, 11 Sep 1996, Dana H. Myers wrote:

> so I can see covering that cost

I can't! If I have to pay tax's, then why should I have to pay for their costs?

They should have it one way or the other but not both!

And now for the QRP item.....

I will be on during the contest on the 21st. Listen for me on 20 and 40 if you are needing NV. I will also be using a logging program for the first time, so please excuse the funny things I might wind up sending!

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996

From: wb8ygg@juno.com (Bradley S. Mitchell)

Subject: [4033] Re: Hello All! My First Posting!

Message-ID: <19960910.163830.7999.0.WB8YGG@juno.com>

Hey Everybody, Welcome John to the list!

How many of you have a set of his paddles?

I do!

73 Brad WB8YGG

On Tue, 10 Sep 1996 19:14:03 -0800 wpc@west.net (John L. Roblin) writes:

>Hello Everyone!

>

>This is my first posting to the QRP-L. I have been reading the mail
>since

>joining last week. The technical tips, help, and humor is great! I
>am
>totally new to the online world of the Internet and am having a blast.
> I
>look forward to adding my two cents worth to this great group.
>
>Many tnx to all of those who have sent in orders for our Pocket
>Mini-Keys
>and Mini-Paddles. Be on the look out in the snail mail boxes soon!
>
>73,
>
>
>
>
>
>
>John L. Roblin, WA6KY0
>President
>Whiterook Products Company (WPC)
>309 South Brookshire Ave.
>Ventura, CA 93003-4413
>U.S.A.
>
>Telephone / Fax: +1-805-339-0702
>e-mail: wpc@west.net
>
>
>
>

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: lhalliday@creo.bc.ca
Subject: [4043] Re: Huff and Puff
Message-ID: <9608118424.AA842486687@mail.creo.bc.ca>

I didn't want to post anything about the innards of Huff and Puff until I'd had a chance to try it myself, but I've gotten lots of email asking about it, so here goes...

The idea dates back to the 1970s, when PA0KSB figured a way to stabilize a VFO by comparing its frequency to a stable crystal oscillator. What he did was divide the crystal oscillator to generate timing periods, and use them to control a counter driven by the VFO. By watching the least significant bit or two of the counter (it's OK if it wraps around), you can decide if the oscillator is drifting up or down. Feed this information to an integrator and apply it to a

varactor in the VFO tank circuit. The result is that the VFO will creep toward a lock point (every few Hz) and stay there.

If the VFO drifts past a lock point between timing periods, it may slip from one point to another. So it can't be *too* drifty.

The updated version turns the system around - it generates timing by dividing the VFO, and then counts the crystal oscillator. Because this oscillator can be of much higher frequency (PA0KSB recommends 30-50 MHz), you can get finer control, and much better control of VFO drift.

Some references:

Radio Communication Handbook, RSGB

Amateur Radio Techniques, RSGB
(out of print?)

QEX, February 1996, ARRL

Radio Communication, June, August and September 1996, RSGB

The magazine dates may be wrong, since the references are all at home.
Sorry.

Laura Halliday VE7LDH
lhalliday@creo.bc.ca
ve7ldh@amsat.org
Locator: CN89mg

"C'est une femme mutine, assez
elegante, grave et legere, ayant le
sens du confort et du plaisir
en tout." - C. Deneuve

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [3993] Re: Long wire antenna design
Message-ID: <Pine.SOL.3.94.960911094745.21980A-100000@utkux4.utcc.utk.edu>

On Tue, 10 Sep 1996, Gary R. Hanson wrote:

> I would like to make it at least 2 wave lengths long at 7.040 so I
> calculated the total length to be $984 \times (N - 0.025) / F(\text{Mhz})$ where $N = 2$ in
> this case and the frequency = 7.040 Mhz. The total length comes out to
> about 276 feet. I have also considered running it out to three
> wavelengths and a total length of about 416 feet I want to feed it
> off-center and put a half-wave on one side of the house (65 feet) and
> run the rest of it down a long hill.

Gary,

I did some quick models of your proposed antennas, and they suggests answers to at least some of your questions.

First, there is very little difference in gain for a horizontal wire 2 wl and 3 wl. About 1 dB at most. so you may want to weight a number of factors before deciding which version to use, including how to fit everything in that makes it work.

Second, 65' an especially good length for one side of the antenna, since that is the end of a half wavelength (approximately). For either version, that leaves you with a high impedance: $R = 1600-1800$. If you would like a lower impedance, a short side length of about 34-35' reduces the R part of the impedance to around 100 ohms. Additionally, the jX comes down to something between 30 and 40 ohms.

Third, there is an additional advantage in selecting a short-side length nearer to $1/4$ wavelength (in contrast to $1/2$ wavelength): the pattern is more equalt bi-directional. The long side will be stronger always, but (to use the 416' antenna as an example) the differential is only about 1.2 dB for the 35' short side while it is over 4 dB for the 65' short side.

Fourth, as with any multi-wavelength antenna, maxcimum radiation is off the ends, not the sides. There are significant minor lobes in almost every direction, but the two ends are very much stronger and are shaped like the end of a modern major league baseball bat, with the end of the tip hollowed out just a bit.

Fifth, 35' is low for a 40 meter horizontal antenna, so that maximum radiation is very high, whatever the antenna length. High=>65 degrees elevation. - 3dB points are in the 27-28 degree elevation range. At these point, the gain off the ends for the 2 wl ant is about 7.6 dBi max and for the 3 wl ant about 8.8 max. A dipole at the same height and frequency will have perhaps 3 dB less gain, and its gain will be off the flat plane of the antenna, not the ends.

So in planning your antenna, consider where you want to work and whether the pattern of the 2/3 wl ant will give it to you. 300 or 450 ohm parallel line will both work fine, as you will need an ATU. 450-ohm line will show less shift in operating point in rain than the 300 ohm line, but with a manual ATU, that is minor. You will need no counterpoise--in fact, for horizontal antennas, counterpoises are largely a waste of time and material. The fields are reflecting from ground and adding to the radiation well off any counterpoise you might construct; and the difference in gain over a range of soil quality from excellent to grungy is very slight--too slight to justify counterpoise construction cost and work. Finally, try to use the shorter short-side length closer to a quarter wl for lower R, X, and field differential.

By the way, some of these notes could not have been produced without models (NEC is advised, since the height is approaching the MININEC minimum accurate antenna height of 0.2 wl)--or more laborious calculations by hand. Moreover, remarks like "I got good results" are hard to evaluate, since they are usually without a standard baseline for understanding how good good is.

I have not modeled a terminated end or a Vee, but thought these notes might be of some use to you. You might even consider putting up a 1/2 wl dipole along with your long wire to a. compare results and b. work the folks in the nulls of the long wire.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: wb8ygg@juno.com (Bradley S. Mitchell)
Subject: [4036] Re: Milliwatts etc.
Message-ID: <19960910.172343.6711.0.WB8YGG@juno.com>

No Earl, I don't remember those good old days.. (Milliwatts)
I guess it was slightly a bit before my time.. However
I do have the re-prints.

Knowing history repeats itself, I have read it on occasion
to see what were the hot issues of the times.

Believe it or not. They were things like Miles Per Watt, Methods
for measuring power.. Input Power vs output.. (Output Won).
Construction practices , and QRP vs kilowatts. Oh well,
with a few minor variations, there are similar topics today.

On the note of an Archive, if someone had a scanner, with software that
recognizes text, there is a great opportunity to occupy a few weekends
scanning the Milliwatt re-prints, and creating a few meg of data that
will live forever..

73 Brad WB8YGG

On Wed, 11 Sep 1996 16:53:57 -0500 earlve3ab@host.igs.net writes:
>remember the old MILLIWATT Magazine of the early 1970s..I was a
>faithful subscriber at one time. It would be interesting to have that

>magazine in an accessible archive thru the internet. At that time
>period i was running an argonaut 505 and one of my most memorable
>qsos was not a qso at all!! I heard Ade Weiss at that time k8eeg
>calling cq qrp late one night during a qrp contest--about 2 am on 80
>meters. His CQ sig was 5x4 (q5) and very slow and drawn out. I tried
>to reach him but he couldn't pull me through....I think my johnson
>matchbox was not adjusted properly but anyway i think i would have
>been an easy copy ..if i would have had my act together. that is...
>On another topic--dual gate mosfets--my argonaut 509 uses several
>and i think there is something wrong with it in the front end rf
>amplifier of that rig..the sensitivity just isn't what it should be.
>The darn things from ecg ie ecg 222 are now over \$8.00 Canadian.
>If anyone has some that they no longer need for projects please
>drop me a line email= earlve3ab@igs.net. I get the impression that
>this type of dg fet is on its way out....if anyone has a modification
>for the argonaut front end rf amp stage that uses say a standard fet
>and the same networks both input and output from the rf amp
>stage please let me know..the standard fet ie4416 is less than \$2
>and is easy for me to get...a related question to argo 509 front
>end..the DEFEAT connection to the rf amp....is it for muting the
>rcvr during say operation with an external linear amp?? the manual
>does not explain this. 73 es 72 earl
>
>

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "L. Mark Pilant - MS:ZK03-4/Y02 DTN:381-1529" <pilant@seesaw.ENET.dec.com>
Subject: [3990] RE: nibbler
Message-ID: <9609111332.AA00638@us2rnc.zko.dec.com>

I just received a couple of catalogs in the mail yesterday, and I thought I'd add some additional information about nibblers.

First, I received a catalog from Dahlbani (I believe that is how it is spelled; they advertise in Popular Electronics and Electronics Now) and they carry the same nibbler as Radio Shack, but the price is \$8.95.

Second, Jensen tools carries the Adel nibbler. Part number 74-140 (\$16.95) for the tool and 74-133 (\$12.50) for the replacement blade. Their telephone number is 1-800-426-1194.

I have no connection with either. I'm a satisfied Jensen customer, but I've never ordered from Dahlbani.

- Mark N1VQW

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: Steve Hideg <Steve.Hideg.1@nd.edu>
Subject: [3987] Re: Oak Hills Research
Message-ID: <v0300780aae5c5eb003a5@[129.74.35.16]>

>At 04:03 PM 9/10/96 EDT, you wrote:
>>Does OHR have a web site?????????????
>>
>>Clark Fishman WA2UNN cfishman@pica.army.mil
>>
>
>Not yet, but Dick says one is coming up in the future.
>73,
>
>Bob NorCal #1228, ARCI #8918, Qrp-1 #271, CQC 274

You can see some of OHR's products on the Internet QRP Club's WWW site:

<<http://qrp.cc.nd.edu/QRP-L/>>

--Steve

Steve Hideg, N8HSC/9 QRP-L #136
Check out the Internet QRP Club's site on the WorldWide Web:
<<http://qrp.cc.nd.edu/QRP-L/>>

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [4006] Re: Operating from Australia
Message-ID: <199609111701.SAA18200@mail.enterprise.net>

Hope you enjoy your stay in VK, I was there last year and will be back in 1997. I only took 2m handie last time, but am hoping to take a small HF set next year. Maybe you could try a small portable loop, like the Rock Loop - check my web page?

73

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [4046] Re: QRPp on Email?
Message-ID: <Pine.SOL.3.94.960911203140.7241C-100000@utkux4.utcc.utk.edu>

Doug,

All your reasons are well thought out and sound. I concur completely. It is easier to carry a copy of QRPp from room to room than a computer. Printing out an electronic file version of an issue for such toting would end up costing me as much as a subscription. Moreover, incorporating quality graphics and photos would require postscript (which few of us have) and lots of file storage overhead in whatever server they might be archived. Well designed paper is still superior to a computer for many purposes--less eyestrain for one. Keep up the great publishing job--with all our thanks.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "Brian K. Short" <ke7gh@primenet.com>
Subject: [4040] RE: RF-1 is sold
Message-ID: <01BBA03A.38CB1040@ip003.phx.primenet.com>

I'll sell mine for \$75+s/h!
ke7gh@primenet.com (602)839-3484
Better be quick!

>>Thanks for the many responses. The RF-1 was sold in 20 minutes.

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "ke7gh@contesting.com" <ke7gh@contesting.com>
Subject: [4014] RE: Stop the grabage, NOW!!!

Message-ID: <01BBA00B.C369DD00@ip085.phx.primenet.com>

Yeah!

From: W. Dennis Zeares[SMTP:wdzeares@rockdal.aud.alcatel.com]
Sent: Wednesday, September 11, 1996 19:00 PM
Subject: Stop the grabage, NOW!!!

This is a list for QRP related items.
Stop the garbage and the responses to the garbage.
The last weeks worth of post reflects a very high
percentage that is not worthy of the bandwidth.

These comments are stritly my own.

72/73 Dennis K3ETS, Dallas, Home of K5FO

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: 11-Sep-1996 0933 <randolph@est.ENET.dec.com>
Subject: [3992] re: Super Tee Antenna Tuner
Message-ID: <9609111402.AA11213@us4rmc.pko.dec.com>

Gary KJ5VW writes:

> Here's where I need the advice. When I disconnect my transceiver and
> hook up my Autek to get a SWR reading through the tuner, I can get a
> match of 1.1 or 1.2:1.0 quite easily. However, when I disconnect the
> Autek and do the match based on the "resultant" power out reading of the
> Hambrew circuit, my Super Tee antenna settings are quite different. The

Here's a few things to think about.

SWR measurments depend on being able to accurately read the small amount of
power reflected back from the load. Loss in either the tuner or the feedline
can absorb some of that power, making the SWR look better than it is.
Likewise, insensitivity of the SWR instrument at very low power levels can do
the same.

The solution in the latter case is to put more power out! This overcomes the
insensitivity of the meter, and gives a more accurate reading. Most simple
diode-based meters drop off in sensitivity very quickly below about 1W. This
means you need around 1W reflected power to get an accurate reading! At low
SWR, that's a lot of forward power. I'd assume the Autek is smarter than that,

but I don't have one, so I can't really say.

The only solution in the former case is to measure the loss of the tuner and feedline (there's probabaly a way to do it with the Autek), and calculate the real SWR. One cute trick to test your losses is to leave the far end (the antenna) disconnected. In theory, you should get infinite SWR (all the power comes back to you). If it's relatively low, like 3:1, you have pretty high loss.

Some of this might account for your differences, or it might not...

=====
Tom Randolph N100Q NE-QRP 419 QRP-L 87 ARRL randolph@asic.enet.dec.com
=====

From owner-qrp-l@Lehigh.EDU Wed Sep 11 23:14:04 1996

From: lbbarley@feist.com (Bruce Barley)

Subject: [3984] Re: Ten Tec

Message-ID: <199609110654.BAA18971@wichita.fn.net>

> Bought a Ten Tec Century 21 at a Ham Fest over the weekend.
>I was wondering if anyone has any comments about the radio. It seems
>to work made a couple of contacts and got good reports. The tuning
>dial has a lot of play and seems to slip alot. Is this a common problem?
>Is there an easy fix? --- <SNIP>---

Hi, Gary -

My main station rig is the Century 21 that I purchased new in 1978. With the exception of a 2N301 transistor (mounted under plastic cover on back panel) which is the pass transistor in the voltage regulator, I have not even had to replace so much as a light bulb.

My unit developed over time a bit of seeming "slip" in the tuning. I dug down and found that the lubricating grease on the mechanical mechanism in the VFO had hardened with age. I used a bit of RIG (r) lubricant {fishing reels and fire arms) and it straightened right up. This is a known problem, and TEN-TEC does have a kit available if you want to do it yourself.

I've worked world wide with this baby. Even though I sometimes regret having traded my DX-60 and HQ170 in on it back then, I think that for CW, the ease of use and performance may actually offset the nostalgia. This is a jim-dandy rig for throwing into the back of the car for an occasional outing to a park picnic table on a fine spring or autumn day. I just run a cord back to the cigarette lighter socket on my car, and put up my dipole between whatever is available, or install it as a sloper from a single

support. Great fun!

I have found it beneficial to use a crystal calibrator (digital freq. meter will also suffice) to watch my band edges. My dial tracking does vary just a wee bit from band to band. After almost 20 years, it probably is about time for a factory tune-up. TEN-TEC still offers FULL factory service on the Century 21, and is VERY, VERY reasonable and FANTASTIC service and information.

There is a bit of audio hiss noticable on 10m. But I am using a rat-shack digital signal processor (now on close-out at \$24.95) and it is eliminated. In fact, the quite adequate three stage audio bandwidth filter on my Century 21 is a killer using the dsp.

Look for me sometime on 40 (~7.040 or so). I work 2nd shift with lots of overtime, so the best times to find me are Sunday nite (really Monday am) after midnite CST or on occassion between 2:30 and 4 am CST. If you want a sked, best to e-mail me to set one up.

And, by the way. I do have the factory owner's manual, complete with schematics if you need a photocopy of a page or two. Best wishes for what I think is one of the finest SIMPLE, yet nicely performing CW xcvrs made in the last 20 years.

73's and best DX to you.

Bruce Barley KB0PZD ex:WD0HRQ
lbbarley@feist.com qrp-1 #69

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: faunt@netcom.com (Doug Faunt N6TQS +1-510-655-8604)
Subject: [3985] Re: [3914] RE:Re: \$\$\$\$\$\$ Click for e
Message-ID: <199609110918.CAA12282@netcom21.netcom.com>

People, sending this person large files in order to harass him and disrupt his service is the equivalent of intentionally interfering with a pirate radio station. It's illegal, and wrong, as I hope you are all aware.

73, doug

From owner-qrp-1@Lehigh.EDU Wed Sep 11 23:14:04 1996
From: "Phil, AC6LS" <ac6ls@amsat.org>
Subject: [3986] Re: [3914] RE:Re: \$\$\$\$\$\$ Click for e

Message-ID: <32367CF4.4035@amsat.org>

>
> People, sending this person large files in order to harass him and
> disrupt his service is the equivalent of intentionally interfering with
> a pirate radio station. It's illegal, and wrong, as I hope you are
> all aware.

You have got it all wrong!

We are simply wishing to thank him for his interest in helping us out and
to ask that he not do so in the future. And if someone would like to
return
the favor by providing a file of their favorite book or program to him
to
also enjoy or possibly profit from.....

73, de Phil ;-)